



50L6-GT

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BEAM POWER AMPLIFIER

Heater	Coated Unipotential Cathode
Voltage	50 a-c or d-c volts
Current	0.15 amp.
Maximum Overall Length	3-5/16"
Maximum Seated Height	2-3/4"
Maximum Diameter	1-5/16"
Bulb	T-9
Base	Intermediate Shell Octal 7-Pin
Pin 1—No Connection	Pin 5—Grid
Pin 2—Heater	Pin 7—Heater
Pin 3—Plate	Pin 8—Cathode
Pin 4—Screen	
Mounting Position	Any



BOTTOM VIEW (G-7AC)

AMPLIFIER

Plate Voltage	200 max.	volts
Screen Voltage	117 max.	volts
Plate Dissipation	10 max.	watts
Screen Dissipation	1.25 max.	watts
Typical Operation and Characteristics - Class A₁ Amplifier:		
Plate	110	200 volts
Screen	110	110 volts
Grid*	-7.5	-8 volts
Peak A-F Grid Voltage	7.5	8 volts
Zero-Sig. Plate Cur.	49	50 ma.
Max.-Sig. Plate Cur.	50	55 ma.
Zero-Sig. Screen Cur.	4	2 approx. ma.
Max.-Sig. Screen Cur.	11	7 approx. ma.
Plate Resistance	13000	30000 approx. ohms
Transconductance	9000	9500 μmhos
Load Resistance	2000	3000 ohms
Total Harmonic Dist.	10	10 %
Power Output	2.1	4.3 watts

* In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

* The type of input coupling should not introduce too much resistance in the grid circuit. Transformer- or impedance-coupling devices are recommended. When the grid circuit has a resistance not higher than 0.1 megohm, fixed bias may be used; for higher values, cathode bias is required. With cathode bias, the grid circuit may have a resistance not to exceed 0.5 megohm.

Curves under type 25L6-GT also apply to the 50L6-GT.

← Indicates a change.

Sept. 2, 1941

RCA RADIODRON DIVISION
RCA MANUFACTURING COMPANY, INC.

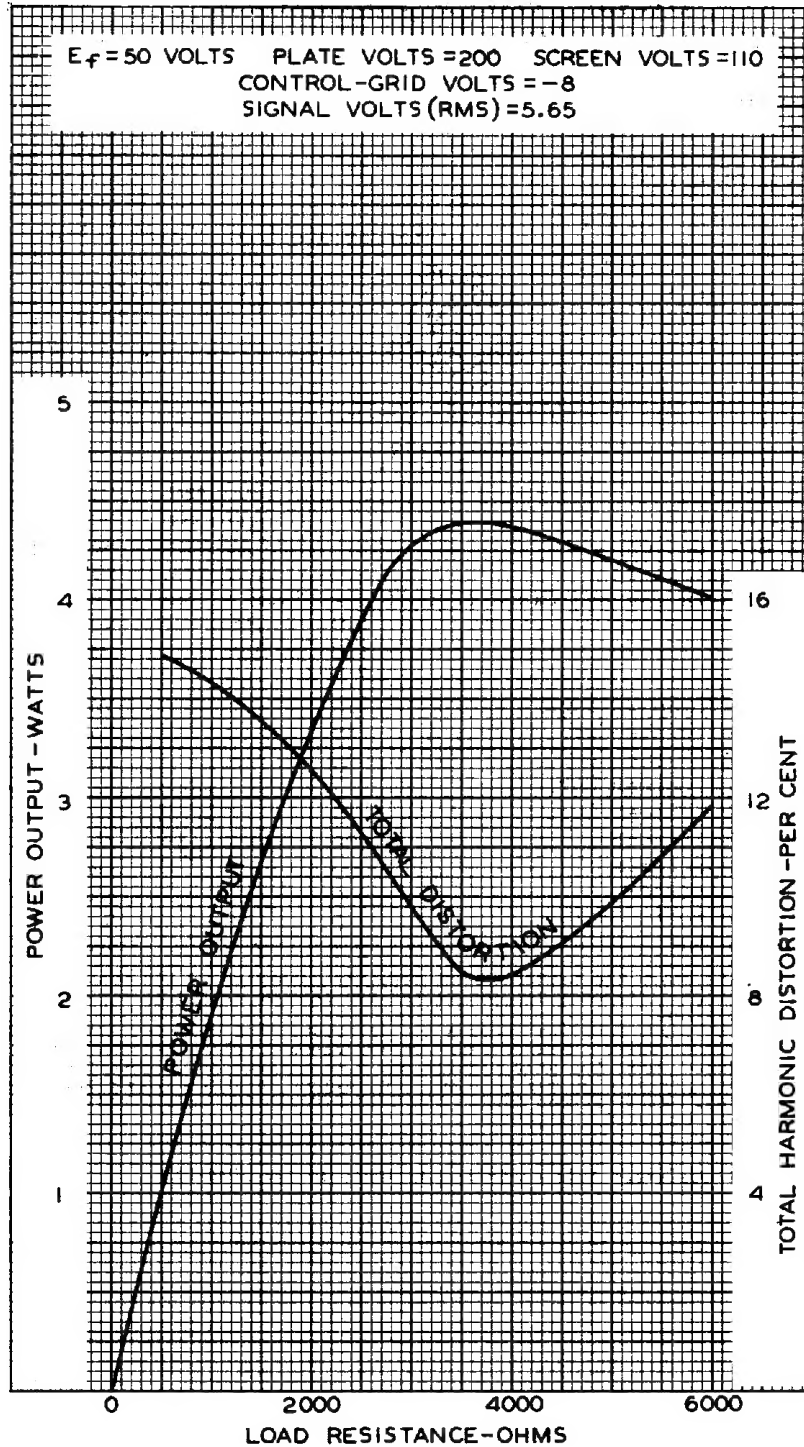
DATA

50L6-GT



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OPERATION CHARACTERISTICS



AUG. 7, 1941

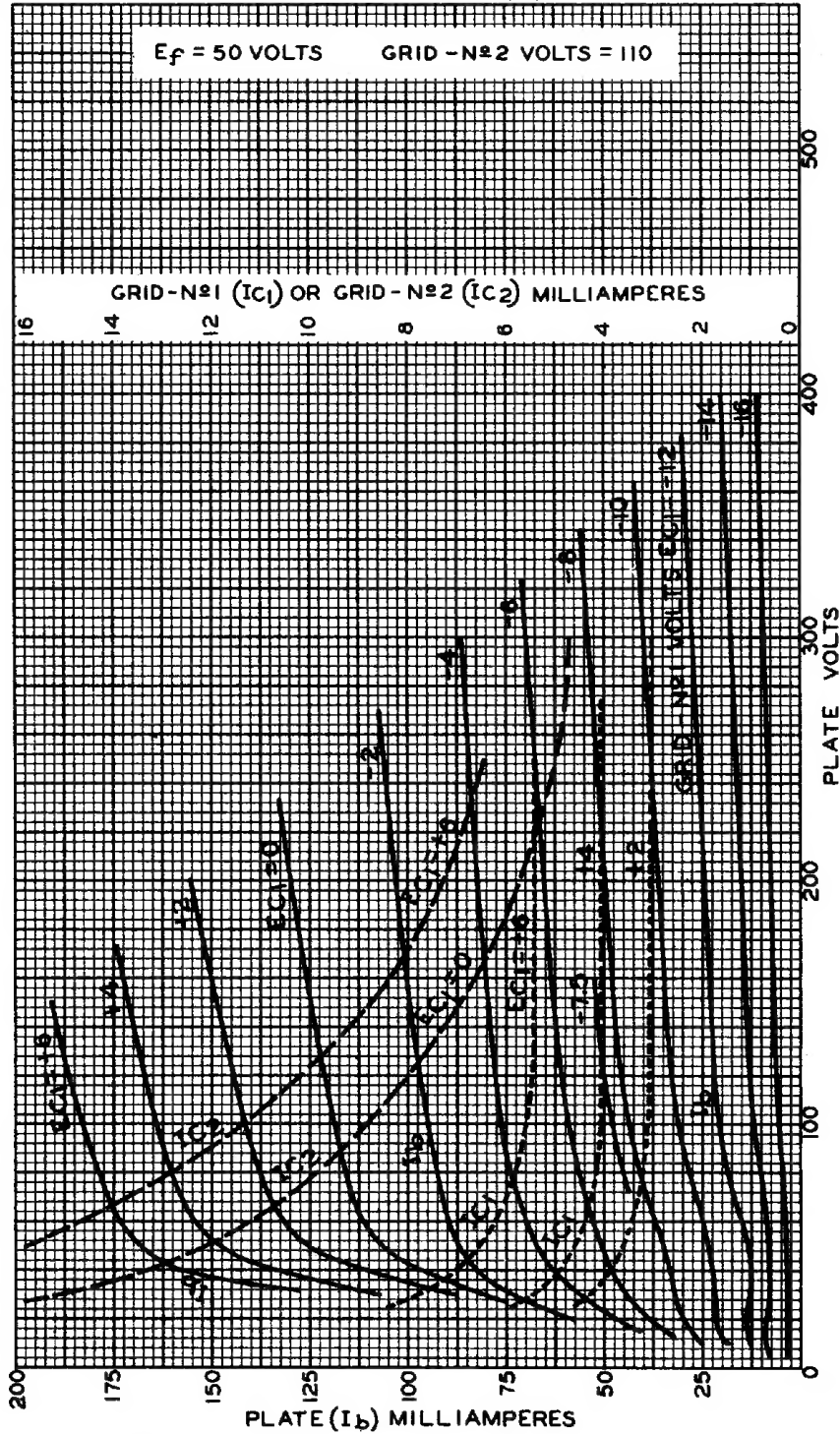
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92C-6308



50L6-GT

50L6-GT AVERAGE PLATE CHARACTERISTICS PENTODE CONNECTION



JAN. 27, 1950

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

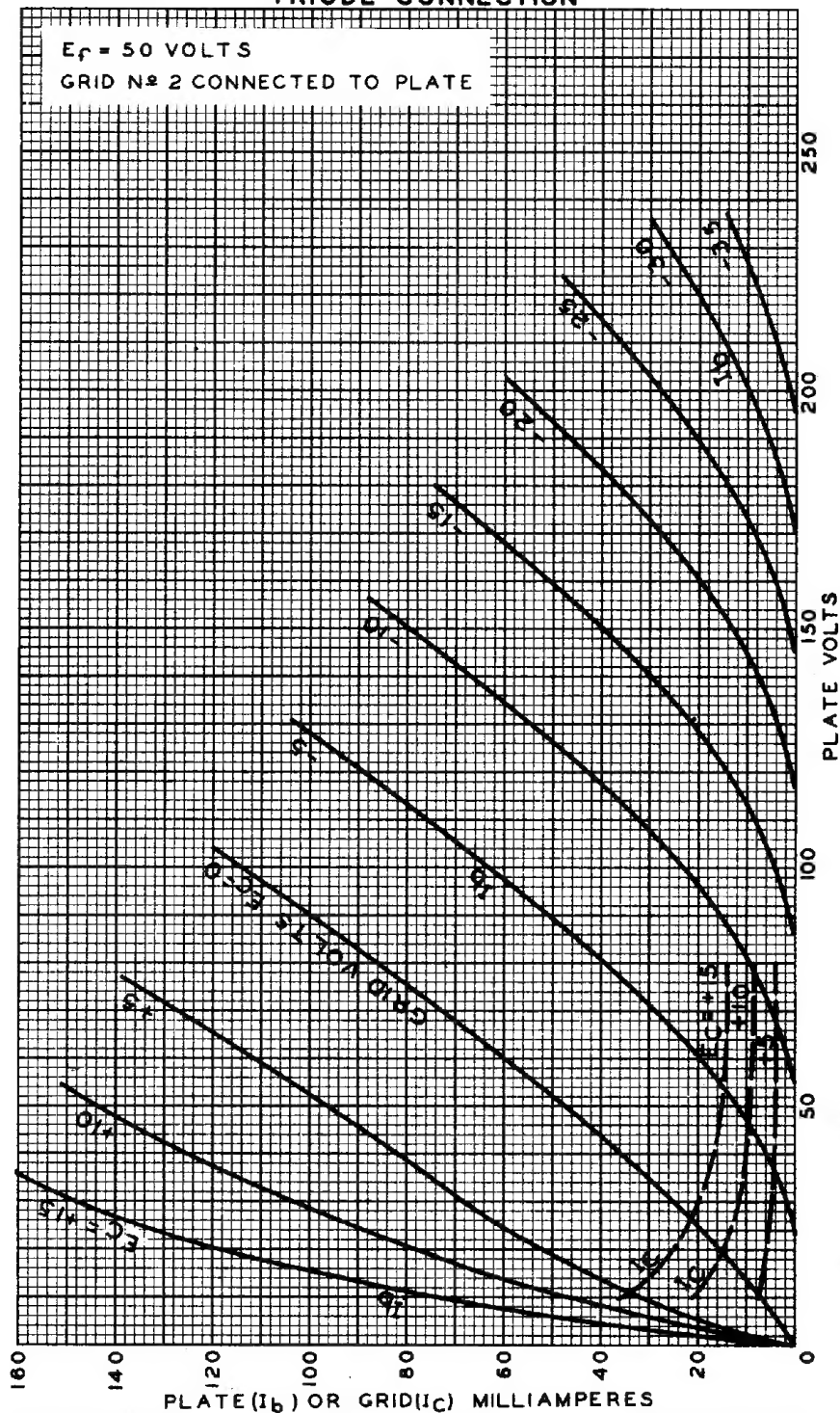
92CM-6314RI

50L6-GT



50L6-GT

AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION



APRIL 6, 1948

TUBE DEPARTMENT

92CM-6316R1

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY